QC

Quality Control

Page 1

October 5, 2009 10:04:02 AM Item ID: D3140-99 Accept Setup Start **Revision ID:** Stop Item Name: Doubler Start Qty: 2.00 **Start Date:** 10/05/09 **Cust Item ID:** Required Date: 10/09/09 Req'd Oty: 2.00 **Customer:** Reference: Run Start Date: 09/10/05 Tooling: Process Plan: Approvals: Date: Stop QC: SPC (Y/N): Date: Date: Sequence ID/ Operation Set Up/ Reject Draw Draw Plan Accept Reject Insp. Work Center ID Qty Qty Description Rev. Code Stamp **Run Hours** Number Number **Draw Nbr Revision Nbr** D3140 Rev F 100 0.00 FLOW WATER JET B9-10-8 0.00 Waterjet Memo 1-Cut as per Dwg D3140 □Dwg Rev: FLOW CNC Waterjet Deburr if necessary QC2- Inspect parts off machine FAI/FAIB 0.00 110 (AS 9-10-5 0.00 Memo Quality Control 120 QC8- Inspect parts - second check Sorlislac

0.00

Memo

W/O:			W	ORK ORDER CHANG	iES				
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			44114				<u></u>		
-									
Part No	:	PAR #:	Fault Cate	egory:	_ NCR: Yes	No DQ	A :	Date: _	
	R	esolution:						Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCF	(1)			
DATE	STEP	Description of NC			tion B	Verific	cation	Approval	Approval
	JILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		on C	Chief Eng	QC Inspector
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^{*} H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

Work Order ID 52632

October 5, 2009 10:04:02 AM

Item ID:

D3140-99

Accept

Setup Start



Revision ID:

Start Date:

Doubler Item Name:

Required Date: 10/09/09

10/05/09

Start Qty: 2.00

Req'd Qty: 2.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

0.00

Set Up/

Run Hours

Date:

Start



QC:

SPC (Y/N): Date:

Date:

Number

Draw

Draw

Rev.

Accept Plan Qty Code

Reject Qty

Run

Reject Number

Insp. Stamp

Sequence ID/ **Work Center ID**

130

Small Fab

Small Fab

Memo

Operation

Description

Small Fab

1-Scuff surfaces with 80grit sandpaper per QSI 006[]2-Deburr.[] No sharp edges = 7 M / NO S

140

Chemical Conversion Coat per QSI005 4.1

Memo

0.00



HandFinish

MD 59/10/06

Hand Finishing

150

Quality Control

QC3- Inspect Part Finish

Memo

0.00 1 09-10-6

Dart Aerospace Ltd

									117.72	
W/O:			WO	RK ORDER CHANG	3ES					
DATE	STEP	PRO	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Categ	jory:	_ NCR	R: Yes N	10 DQ /	4 :	Date: _	
	R	esolution:	Disposition	l:	QA:	N/C Clo	sed:		Date:	
NCR:		,	WORK ORDE	R NON-CONFORM	ANCE	(NCR)		-		
DATE	STEP	Description of NC			Section B			ation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti		Chief Eng	QC Inspector
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October 5, 2009 10:04:02 AM

Item ID:

D3140-99

Revision ID: F

Required Date: 10/09/09

Item Name:

Doubler

QC:

Start Date:

10/05/09

Start Qty: 2.00

Req'd Qty: 2.00



Accept

Setup Start



Cust Item ID:

Customer:

Draw

Number

Reference:

Approvals:

Process Plan:

Date:

Tooling:

SPC (Y/N): Date:

Date:

Run

Start

Stop



Sequence ID/

Work Center ID

160

Packaging

Packaging

Operation Description

Identify as per dwg & Stock Location:

Memo

0.00

Set Up/

Run Hours

0.00

Date:

Draw Rev.

Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

170

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

pl 09-10-7

Dart Aerospace Ltd

W/O:	<u> </u>		18//	ORK ORDER CHANG	<u> </u>					
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DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Chief Eng / Prod Mgr	QC Inspector

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Part No		PAR #:								
	Re	esolution:	Disposition	on:	QA:	N/C CIO	sed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORM	IANCE	(NCR)			
DATE	OTED	Description of NC	Corrective Action Section B		ction B	Verific		cation	ation Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date		Section C	Chief Eng	QC Inspector
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Picklist Print

October 5, 2009 10:04:01 AM

Work Order ID: 52632

Parent Item:

D3140-99RevF

Parent Item Name: Doubler

Comments:

placement	Mfg/
m ID	Purch
	1

M2024T3S.032

Purchased



2024-T3 .032 sheet



Last

Location

Bin Primary

Item Location

No

Route

Seq ID

110

Start Date: 10/05/09

Qty To Pick Issued

(6000)

Required Date: 10/09/09

Start Qty: 2.00

Required Qty: 2.00

Date Issued

Status

78.4179 0.2851

Qty on Remaining

139-10-5

Warehouse Location	Loc Qty	Loc Code	
Main Warehouse			
MAT	78.41793158		
102942	1.5		
105555	4.0684		
106272	5.3		
108595	1.2		
109240	7.02	•	
110778	21.9106316		
111699	34.4189		111699
18147	3		· · · · · · · · · · · · · · · · · · ·

Unit of

sf

Measure Hand

Dart Aerospac	ce	Ltd
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W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PRO	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	s No DO	QA:	Date: _	I
	R	esolution:	Dispositio	n:	_ QA: N/C	Closed: _		Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC	Corrective Action Section			Verif	ication	Approval	Approval
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DART AEROSPACE LTD	Work Order: 53632	
	Part Number: 1) 3140-94	
Description: Vau hit il	Part Number. 19 5140 19	
Inspection Dwg: 13/16099 Rev:	Page 1 of 1	1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
1.55	11 .030	1,549	x			
4:30	400	4.300	100	*		
1.10	1030	1.098	¥-	ļ		
4.50	V030	4.496	X	ļ		
1037	4010	1037	8	ļ		
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Measured by:	102	Audited by:	Prototype Approval:	N/A
Date:	9-10-5	Date: 01/10/66	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α		New Issue	KJ/JFW	



DESIG	n #	DRAWN BY		ROSPACE LTD RY, ONTARIO, CANADA
CHEC	KED	APPROVED	DRAWING NO.	REV. F SHEET 1 OF 7
DATE	NAC IK		TITLE	SCALE
06.1	10.06		DOOR	NTS
Δ		02 04 18	NEW ISSUE	

RELEASED 06.11.13

06.10.06		DOOR NTS
Α	02.04.18	NEW ISSUE
В	03.01.23	REMOVE -65/-81/-83; ADD -301/-303
С	04.11.08	CHANGE DELASTEK SPEC. TEC-77; ADD PART MARKING; ADD NOTES 11, 12, 13; CHANGE ANGLE -95/-97/-98 TO 106
D	05.11.23	ADD -103/-104/-105/-106; REMOVE -67
E	06.06.09	1.75 WAS 1.88, 4.75 WAS 4.13 ON -08/-07, 1.00 WAS 1.20 ON -09/-10
F	06.10.06	ADD NOTE 14; CORRECT PART TITLE, NOW D3140-09/-92/-104 SHOWN D3140-10/-91/-103 OPPOSITE

QTY	QTY	QTY	QTY	QTY	QTY	SADT NUMBER	DESCRIPTION .
-05	-06	-07	-08	-09	-10	PART NUMBER	DESCRIPTION
Х			ļ <u></u>			D3140-05	DOOR
<u></u>	Х					D3140-06	DOOR
		Х				D3140-07	DOOR
			Х			D3140-08	DOOR
		1		Х		D3140-09	DOUBLER ASSEMBLY
			1		Х	D3140-10	DOUBLER ASSEMBLY
3	3					D3140-57	PAD
1	1					D3140-59	PAD
2	2					D3140-61	PAD
2	2					D3140-63	PAD
		1	1			D3140-69	PAD
		1	1			D3140-71	PAD
		1	1			D3140-73	PAD
		1	1			D3140-75	PAD
		1	1			D3140-77	PAD
		1	1			D3140-79	PAD
				1	1	D3140-85	ANGLE
1	1					D3140-87	DOUBLER
				1	1	D3140-89	DOUBLER
		1				D3140-91	DOUBLER
			1			D3140-92	DOUBLER
3	3					D3140-95	DOUBLER
1						D3140-97	DOUBLER
	1					D3140-98	DOUBLER
		1	1			D3140-99	DOUBLER
		2	2			D3140-101	DOUBLER
		1				D3140-103	DOUBLER
			1			D3140-104	DOUBLER
		1				D3140-105	DOUBLER
			1			D3140-106	DOUBLER
1	1		<u> </u>		_	D3140-241	DOUBLER
1	· ·	1				D3140-301	DOUBLER
	1	<u> </u>	1			D3140-303	DOUBLER
	<u> </u>					20.30000	
				5	5	MS20426AD3-4	RIVET

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DESIGN	#	DRAWN BY		ROSPACE LTD RY, ONTARIO, CANADA
CHECKED	H	APPROVED ,	DRAWING NO.	REV. F
. K	an	of	D3140	SHEET 2 OF 7
DATE			TITLE	SCALE
06.10.0)6		DOOR	NTS



COMPOSITE LAYUP & BONDING I.A.W. DELASTEK PROCESS SPEC. TEC-77
MATERIAL STORAGE & HANDLING TO BE I.A.W. DART QSI 006
MAIN LAYUP USES FIBERCOTE E-761/7781 EPOXY FIBERGLASS.
FILL WITH EPOCAST 87269 OR MAGNOBOND 77 A & B AND MA560 FOAM/ NB-51/30 FOAM



FINISH: DUPONT HIGHBUILD GREY PRIMER 1144-S

MAKE PARTS IN ACCORDANCE WITH THE FOLLOWING TOOLS/MOLDS:

PART	TOOL
D3140-05	B30-23000-01T
D3140-06	B30-23000-02T
D3140-07	B30-23000-03T
D3140-08	B30-23000-04T
D3140-57	B30-23000-57T
D3140-61	B30-23000-61T
D3140-63	B30-23000-63T
D3140-69	B30-23000-69T
D3140-71	B30-23000-71T
D3140-73	B30-23000-73T
D3140-75	B30-23000-75T
D3140-77	B30-23000-77T
D3140-79	B30-23000-79T
D3140-89	D3140-89T1
D3140-301	D3140-301T1
D3140-303	D3140-303T1

RELEASED



MATERIAL: 2024-T3 (QQ-A-250/4) 0.032 THICK (M2024T3S.032) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 2024-T3 (QQ-A-250/4) 0.020 THICK (M2024T3S.020) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 5052-H32/H34 (QQ-A-250/8) 0.040 THICK (M5052H32S.040) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: POLIMEX TR75 1" THICK 4.5 LB KLEGECELL



ALL DIMENSIONS IN INCHES



TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



MATERIAL: 6061-T6 (QQ-A-250/11) 0.063 THICK (M6061-T6S.063) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



DOUBLER TO SIT ON TOP OF FOAM AT THIS LOCATION



DOUBLER TO BE RECESSED FLUSH INTO FOAM AT THIS LOCATION



RUBBER STAMP WITH DART P/N D3140-05/-06/-07/-08 USING MIL-STD-130

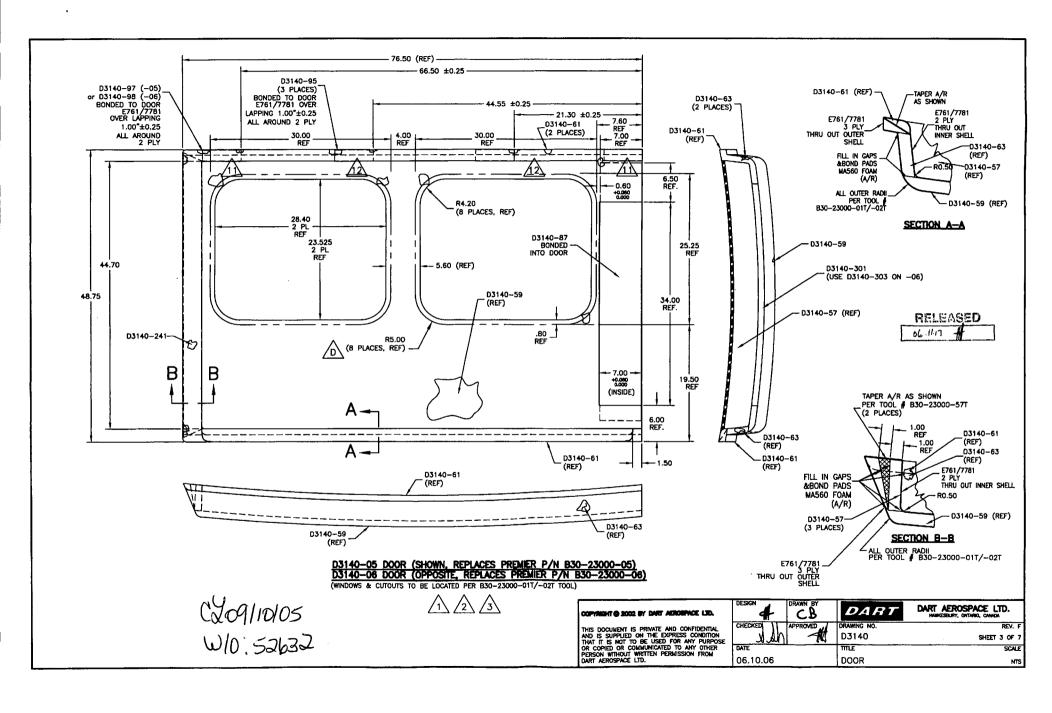


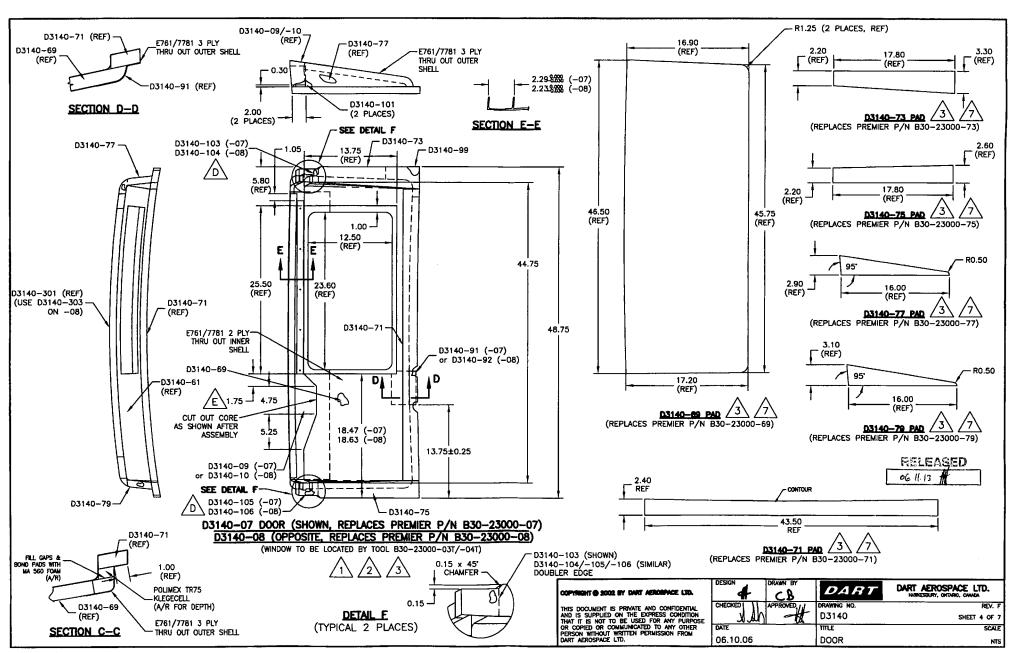
PARTS MUST BE SCUFFED WITH 80 GRIT SANDPAPER PRIOR TO ACID ETCH AND ALODINE PER DART QSI 005 4.1



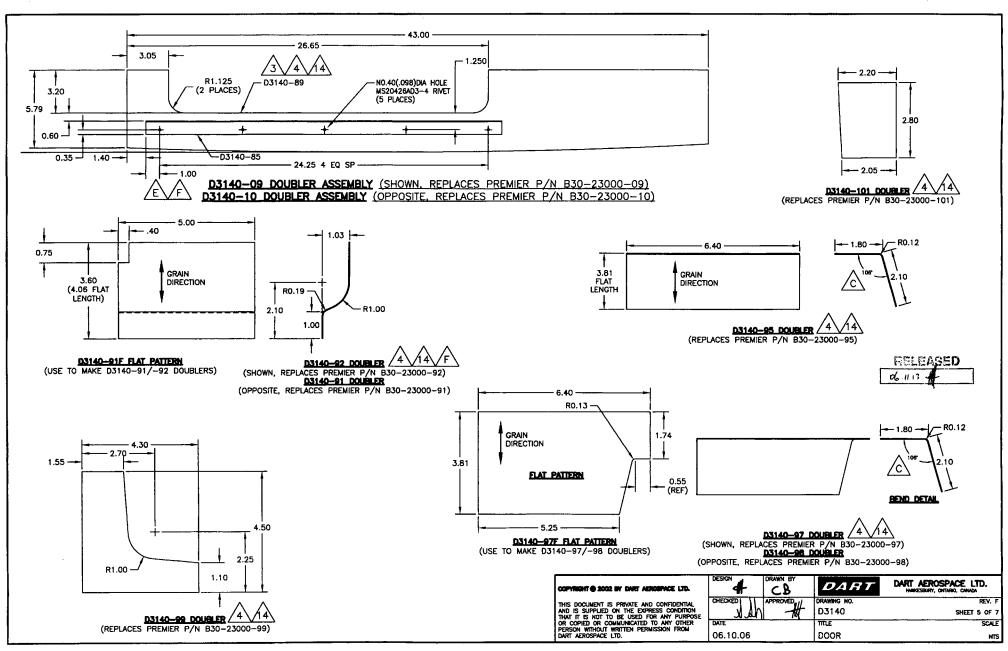
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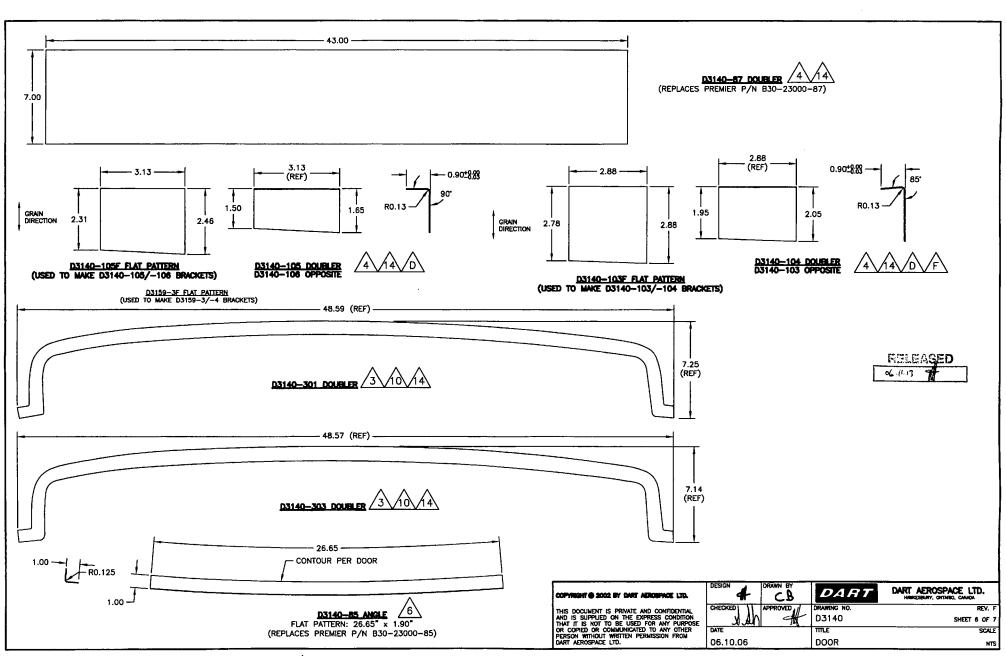




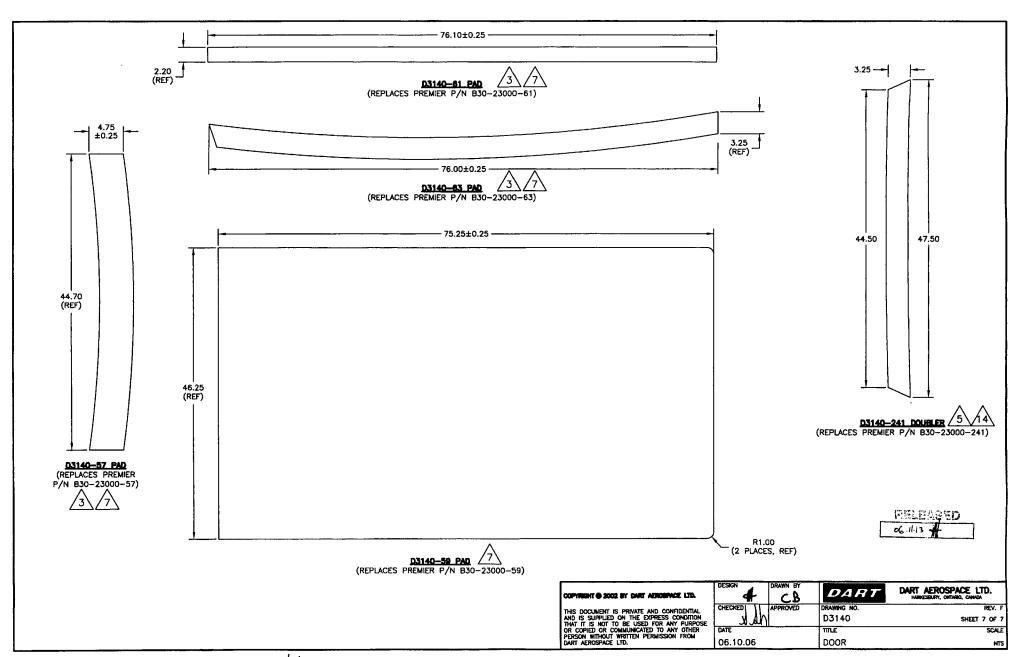
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